

substantial volume of water and substantially lesser amounts of, at water boiling points, non-volatile contaminants, the apparatus comprising:

- (a) a fluid vessel to collect wastewater and having at least a partially open top wall, side walls and a bottom wall,
- (b) means for delivering wastewater to the fluid vessel,
- (c) a heating vessel surrounding and spaced from at least the side walls and the bottom wall to form an interior heating chamber between the heating vessel and the fluid vessel,
- (d) a heating element positioned in the heating chamber to generate heat sufficient to vaporize the wastewater and form water vapor,
- (e) a heat transfer liquid having a boiling point substantially in excess of the boiling point of the collected wastewater and filling at least a substantial portion of the heating chamber and immersing the heating element to transfer heat generated by the heating element to the fluid vessel walls to heat the collected wastewater until it is vaporized,
- (f) an outer jacket substantially surrounding the heating vessel and spaced from the heating vessel to define an insulating space between the jacket and heating vessel, and
- (g) vapor exhaust means for expelling the water vapor from the fluid vessel.

3. Apparatus for treating wastewater according to Claim 1 and further comprising means for causing ambient air to flow through the insulating space to facilitate vapor exhaust and to cool the outer jacket.

4. Apparatus for treating wastewater according to Claim 1 and further comprising a movable wastewater supply tank positioned under the outer jacket for supplying wastewater to the delivering means, the tank including means for filtering larger particles from the wastewater